

**Commonwealth of Kentucky  
Environmental and Public Protection Cabinet  
Department for Environmental Protection  
Division for Air Quality  
803 Schenkel Lane  
Frankfort, Kentucky 40601  
(502) 573-3382**

**Final**

**AIR QUALITY PERMIT  
Issued under 401 KAR 52:030**

**Permittee Name:** Siegel-Robert Automotive  
**Mailing Address:** 350 Scott's way  
Bowling Green, Kentucky 42101

**Source Name:** Siegel-Robert Automotive  
**Mailing Address:** Same as above

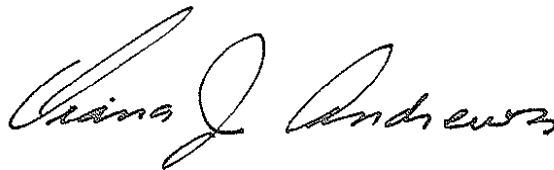
**Source Location:** Same as above

**Permit Number:** F-06-044 Renewal  
**Source A. I. #:** 4132  
**Activity #:** APE20060001  
**Review Type:** Conditional major, Renewal  
**Source ID #:** 21-227-00127

**Regional Office:** Bowling Green Regional office  
1508 Westen Avenue  
Bowling Green, KY 42104

**County:** Warren

**Application**  
**Complete Date:** November 2, 2006  
**Issuance Date:** March 21, 2007  
**Revision Date:**  
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**John S. Lyons, Director  
Division for Air Quality**

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| <b>Rev<br/>#</b> | <b>Permit type</b>   | <b>Log #</b> | <b>Complete<br/>Date</b> | <b>Issuance<br/>Date</b> | <b>Summary of<br/>Action</b> |
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| ---              | Conditional<br>Major | APE20070001  | August 15,<br>2006       | March 21,<br>2007        | Final Permit, Renewal        |

## **SECTION A - PERMIT AUTHORIZATION**

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto.

The permittee shall not construct, reconstruct, or modify any affected facilities without first having submitted a complete application and receiving a permit for the planned activity from the permitting authority, except as provided in this permit or in 401 KAR 52:030, Federally-enforceable permits for non-major sources.

Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by this Cabinet or any other federal, state, or local agency.

## SECTION B - AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

### Group 1 (EP #031 A & B) Surface Coating Operation

#### Description:

This operation consists of two (2) independent open-faced spray booths. Each spray booth is equipped with a fabric filter particulate control system which is 80% efficient. The emissions from the spray booth are vented to the atmosphere through the fabric filter to control particulate matter emissions. Each booth is equipped with a spray gun rated at 4.7 gal/hr of paint. These spray booths were constructed in April 2002.

#### APPLICABLE REGULATIONS:

**401 KAR 59:010** - New process operations

#### 1. Operating Limitations:

The spray booth fabric filter emission control system must be in place and effectively operational when the spray gun is used.

#### 2. Emission Limitations:

##### a. **Opacity Standard:**

Visible emissions from each spray booth fabric filter unit listed above shall not equal or exceed 20% opacity in accordance with 401 KAR 59:010§(3)(1).

##### b. **Mass Emission Standards:**

- (1) Particulate Matter emissions for each emission unit listed above shall not exceed the limit calculated by the following equation, when the process weight is less than or equal to 60,000 lb/hour:

$$E'_{PM} = 3.59 \cdot P^{0.62}$$

Where  $E'_{PM}$  is the particulate emission rate (pounds/hour) and P is the process weight (i.e. the maximum amount of solid scraps/wastes produced or maximum amount of output product) in (tons/hour) in accordance with 401 KAR 59:010 §(3)(2).

- (2) For the process weight greater than 60,000 lb/hour, Particulate Matter emissions for each emission unit listed above shall not exceed the limit calculated by the following equation,:

$$E'_{PM} = 17.31 \cdot P^{0.16}$$

Where  $E'_{PM}$  is the particulate emission rate (pounds/hour) and P is the process weight (i.e. the maximum amount of solid scraps/wastes produced

**SECTION B - AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (continued)**

or maximum amount of output product) in (tons/hour) in accordance with 401 KAR 59:010 §(3)(2).

**Compliance Demonstration:** Compliance with the hourly particulate emission limits described above shall be determined by comparing the allowable rate to the actual rate as calculated below:

$$E_{PMi} = \frac{P_{ij} \cdot EF_{PMj}}{h_{ij}} \cdot \left(1 - \frac{CE_j}{100}\right)$$

Where i is the month, j is the unit,  $E_{PMi}$  is the actual average hourly particulate emission rate for month i (pounds/hour),  $P_{ij}$  is the processing rate for unit j during month i (tons/month),  $EF_{PMj}$  is the overall uncontrolled KYEIS particulate emission factor for unit j (pounds/ton),  $h_{ij}$  is the actual total hours of operation for unit j during month i (hours/month) and  $CE_j$  is the overall control efficiency applied to unit j (%). NOTE: The term “unit” refers to the each spray booth.

**2. Testing Requirements:**

Pursuant to Regulation 401 KAR 59:005, Section 2(2) and 401 KAR 50:045, Section 1, performance testing using the Reference Methods specified in Regulation 401 KAR 50:015 shall be conducted as required by the Division.

**3. Specific Monitoring Requirements:**

- a. Monthly records shall be maintained of the total input of all raw materials, type and usage of paints applied, and hours of operation. This information shall be used to calculate monthly total.
- b. Weekly and during all periods of control equipment malfunction, a log of visible emissions shall be maintained. If visible emissions are observed, the log record shall indicate:
  - (1) Whether there are any visible emissions from the process.
  - (2) Method 9 readings if any visible emissions are observed.
  - (3) The cause of the abnormal visible emissions.
  - (4) Any corrective actions taken.

**4. Specific Reporting Requirements:**

- a. Any exceedance of the opacity or particulate emission limits as stated in this permit shall be reported to the Division of Air Quality within 30 days of the exceedance as specified in the Section F.8.

**SECTION B - AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (continued)**

- b. Following an exceedance and for a period of at least 12 months, the Permittee shall submit, within 30 days of the end of each calendar month, the following information:
  - (1) The total hours of operation.
  - (2) The total pollutant emission rates, hourly and 12-month rolling (based on monthly average).
  - (3) The log of monthly visible emissions readings from each stack.

**5. Specific Recordkeeping Requirements:**

The Permittee shall keep a log of the filters inspected. The inspection log shall include the time of inspection, date, and identity of the personnel making the inspection. When spray booths are not used for a period of time exceeding twenty-four (24) hours continuously, it should be noted in the inspection log book. Filter change should be noted in the inspection log book as well.

**6. Specific Control Equipment Operating Conditions:**

- a. The permittee shall operate all control equipment and systems at all times the corresponding surface coating operation (spray booths) are in operation.
- b. The permittee shall maintain and operate all control systems and equipment in accordance with manufacturer specifications.

## SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (continued)

**Group 2 (EP # 001, 002, 003, and 005) Electroplating Operation**  
(EP#1: Pre-Etching tanks, EP #2: Copper Electroplating,  
EP #3: Nickel Electroplating, and EP #5: Nitric Acid Strip)

### **Description:**

The electroplating operation has the following emission points: 1) Pre-plate, 2) Copper Electroplating, 3) Nickel Electroplating and 4) Nitric Acid Strip. The two Pre-Etch tanks (EP #1) were installed on July 2003 and the Satin Nickel Plating tank (EP #3) was installed in March 2000. All the other tanks in the electroplating operation were installed in December 1997.

### **APPLICABLE REGULATIONS:**

**401 KAR 59:010** – New process operations.

1. **Operating Limitations:**  
NA

2. **Emission Limitations:**

a. **Opacity Standard:**

Visible emissions from each scrubber or mist eliminator unit listed above shall not equal or exceed 20% opacity in accordance with 401 KAR 59:010§(3)(1).

b. **Mass Emission Standards:**

- (1) Particulate Matter emissions for each emission unit listed above shall not exceed the limit calculated by the following equation, when the process weight is less than or equal to 60,000 lb/hour:

$$E'_{PM} = 3.59 \cdot P^{0.62}$$

Where  $E'_{PM}$  is the particulate emission rate (pounds/hour) and P is the process weight (i.e. the maximum amount of solid scraps/wastes produced or maximum amount of output product) in (tons/hour) in accordance with 401 KAR 59:010 §(3)(2).

- (2) For the process weight greater than 60,000 lb/hour, Particulate Matter emissions for each emission unit listed above shall not exceed the limit calculated by the following equation,:

$$E'_{PM} = 17.31 \cdot P^{0.16}$$

**SECTION B - AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (continued)**

Where  $E'_{PM}$  is the particulate emission rate (pounds/hour) and P is the process weight (i.e. the maximum amount of output product) in (tons/hour) in accordance with 401 KAR 59:010 §(3)(2).

**Compliance Demonstration:** Compliance with the hourly particulate emission limits described above shall be determined by comparing the allowable rate to the actual rate as calculated below:

$$E_{PMi} = \frac{P_{ij} \cdot EF_{PMj}}{h_{ij}} \cdot \left(1 - \frac{CE_j}{100}\right)$$

Where i is the month, j is the unit,  $E_{PMi}$  is the actual average hourly particulate emission rate for month i (pounds/hour),  $P_{ij}$  is the processing rate for unit j during month i (tons/month),  $EF_{PMj}$  is the overall uncontrolled KYEIS particulate emission factor for unit j (pounds/ton),  $h_{ij}$  is the actual total hours of operation for unit j during month i (hours/month) and  $CE_j$  is the overall control efficiency applied to unit j (%). NOTE: The term “unit” refers to each electroplating operation unit.

**3. Testing Requirements:**

Pursuant to Regulation 401 KAR 59:005, Section 2(2) and 401 KAR 50:045, Section 1, performance testing using the Reference Methods specified in Regulation 401 KAR 50:015 shall be conducted as required by the Division.

**4. Specific Monitoring Requirements:**

- a. Monthly records shall be maintained of the total input of all materials (plastic weight and chemicals used) and hours of operation and shall be used to calculate monthly total.
- b. Weekly and during all periods of control equipment malfunction, a log of visible emissions shall be maintained. If visible emissions are observed, the log record shall indicate:
  - (1) Whether there are any visible emissions from the process.
  - (2) Method 9 readings if any visible emissions are observed.
  - (3) The cause of the abnormal visible emissions.
  - (4) Any corrective actions taken.

**5. Specific Reporting Requirements:**

- a. Any exceedance of the opacity or particulate emission limits as stated in this permit shall be reported to the Division of Air Quality within 30 days of the exceedance as specified in the Section F.8.



**SECTION B - AFFECTED FACILITIES, APPLICABLE REGULATIONS,  
AND OPERATING CONDITIONS (continued)**

- b. Following an exceedance and for a period of at least 12 months, the permittee shall submit, within 30 days of the end of each calendar month, the following information:
  - (1) The total hours of operation.
  - (2) The total throughput.
  - (3) The total pollutant emission rates hourly and 12-month rolling (based on monthly average).
  - (4) The log of monthly visible emissions readings from each stack.

**6. Specific Control Equipment Operating Conditions:**

- a. The permittee shall operate all control equipment and systems at all times the corresponding electroplating tanks are in operation.
- b. The permittee shall maintain and operate all control systems and equipment in accordance with manufacturer specifications.

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (continued)****004 (EP # 004) Decorative Chromium Electroplating****Description:**

The process is decorative chromium electroplating on an automotive ABS plastic substrate,. All the tanks in the decorative chromium electroplating operation were installed in December 1997. The decorative chromium electroplating operation is equipped with a Chromax-1, two (3)-stage Mist-eliminator scrubbers as the air pollution control system. A chemical fume suppressant containing a wetting agent is also used in combination with the mist-eliminator scrubbers. A surface tension meter(Fisher brand) is used to measure the surface tension of the electroplating bath solution within each tank in the decorative chromium electroplating operation.

**APPLICABLE REGULATIONS:**

**401 KAR 59:010** – New process operations.

**401 KAR 63:002 Section (3)(k)**, incorporated by reference 40 CFR 63.340 to 63.348 (subpart N), “National Emission Standard for Chromium Emissions From Hard and Decorative Chromium Anodizing Tanks”.

**1. Operating Limitations:**

- a. The permittee shall prepare an operation and maintenance plan to be implemented at issuance of this permit. This plan is incorporated by reference into this permit. The plan shall include the following elements: [40 CFR 63.342(f)(3)(i)]
  - (1) Operation and maintenance criteria for the affected source, the add-on air pollution control device, and the process and control system monitoring equipment and shall include a standardized checklist to document the operation and maintenance of this equipment;
  - (2) Work practice standards for the control device and monitoring equipment as identified in 40 CFR 63.342 Table 1;
  - (3) Procedures to ensure that equipment or process malfunctions due to poor maintenance or other preventable conditions do not occur; and
  - (4) Systematic procedures for identifying malfunctions of process equipment, add-on air pollution control devices, and process and control system monitoring equipment and for implementing corrective actions to address such malfunctions.
- b. If the operation and maintenance plan fails to address or inadequately addresses an event that meets the characteristics of a malfunction at the time the plan is initially developed, the permittee shall revise the plan within 45 days after such an event occurs. The revised plan shall include procedures for operating and maintaining the process equipment, add-on air pollution control device, or monitoring equipment during similar malfunction events and a program for corrective action for such events. [40 CFR 63.342(f)(3)(ii)]
- c. If actions taken by the permittee during periods of malfunction are inconsistent with the procedures specified in the operation and maintenance plan, the permittee shall record the actions taken for that event and shall report by phone such actions within

## SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (Continued)

working days after commencing actions inconsistent with the plan. This report shall be followed by a letter within seven working days after the end of the event, unless the permittee makes alternative reporting arrangements, in advance, with the Division. [40 CFR 63.342(f)(3)(iv)]

- d. The permittee shall keep the written operation and maintenance plan on record after it is developed to be made available for inspection, upon request, by the Division for the life of the affected source or until the source is no longer subject to the provisions of 40 CFR 63 Subpart N. [40 CFR 63.342(f)(3)(v)]
- e. If the operation and maintenance plan is revised, the permittee shall keep previous versions of the operation and maintenance plan on record to be made available for inspections, upon request, by the Division for a period of 5 years after each revision to the plan. [40 CFR 63.342(f)(3)(v)]
- f. The requirements for the plan may be met using applicable standard operation procedures (SOP) manuals, Occupational Safety and Health Administration (OSHA) plans, or other existing plans, provided the alternative plans meet the requirements outlined in (1)(a). [40 CFR 63.342(f)(3)(vi)]

### 2. Emission Limitations:

- a. Particulate Matter (PM) emissions from a control device or stack into the open air shall not exceed 2.34 lbs/hr.
- b. Pursuant to 401 KAR 59:010, Section 3, opacity shall not exceed 20%.

#### **Compliance Demonstration** 401 KAR 59:010, New process operations:

- (a) To provide reasonable assurance that the particulate matter emission limitations are being met, the permittee shall monitor the make-up rate of any chemicals added to each tanks. The make-up rate shall be determined as the average hourly gallons added to each tanks averaged over a one-month period.

Average particulate emissions from each tank shall be calculated as follows:

Hourly Emission Rate (lb/hr) = [Monthly make-up rate (gallons/month) x Emission Factor as determined from AP-42 \* (lbs/gallon) / Operation Time per month (hrs/month)] (1-Control Efficiency)

If an Emission Factor other than that taken from AP-42 is used, documentation on how that Emission Factor was derived must be submitted to the Division's Central Office for approval.

- (b) Compliance with the opacity limits shall be demonstrated through the following methods:

The permittee shall perform the monitoring and recordkeeping requirements listed under **4. Specific Monitoring Requirements** and **5. Specific Recordkeeping Requirements** during all periods.

- c. For 001(15): Decorative Chrome Plating Tank only, pursuant to 40 CFR 63.342(d)(2), if a chemical fume suppressant containing a wetting agent is used, the surface tension of the electroplating bath shall not exceed 45 dynes/cm ( $3.1 \times 10^{-3}$  lb<sub>f</sub>/ft) as measured by a stalagmometer or 35 dynes/cm ( $2.4 \times 10^{-3}$  lb<sub>f</sub>/ft) as measured by a tensiometer at any time during operation of the tank.

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)****Compliance Demonstration:**

Pursuant to 40 CFR 63.343(c)(5), Surface tension shall be monitored under the following schedule:

- (1) The surface tension shall be measured once every 4 hours for the first 40 hours of operation as specified in Method 306B, appendix A of 40 CFR 63 Subpart N.
- (2) Once 40 hours without exceedence has been accomplished at the once every 4 hours schedule, the schedule may be relaxed to measurements once every 8 hours.
- (3) Once 40 hours without exceedence has been accomplished at the once every 8 hours schedule, the schedule may be relaxed to measurements once every 40 hours.
- (4) When an exceedence occurs, the schedule must be reset to the 4 hour schedule, and may progress again from there after 40 hours without an exceedence.
- (5) Once a bath solution is drained from the affected tank and a new solution added, the original monitoring schedule of once every 4 hours must be resumed, with a decrease in monitoring frequency allowed following the procedures described in (ii) – (iv) as above.

**3. Testing Requirements:**

The surface tension shall be measured during operation of the tank with a stalagmometer or a tensiometer as specified in Method 306B, appendix A of 40 CFR 63 Subpart N.

**4. Monitoring Requirements:**

- a. The total monthly make-up rate of each chemical for each tank.
- b. The hours per month of the operation of each tank.
- c. Observations of visible emissions from EP02 (Scrubber) shall be made monthly.
- d. Observations of visible emissions during all periods of control equipment malfunction.  
If visible emissions are seen during the observation, Method 9 shall be used to determine the opacity.
- e. See Section 5, Specific Recordkeeping Requirements below.
- f. Decorative Chrome Plating Tank only, Pursuant to 40 CFR 63.343(c)(5), Surface tension shall be monitored under the following schedule:
  - (1) The surface tension shall be measured once every 4 hours for the first 40 hours of operation as specified in Method 306B, appendix A of 40 CFR 63 Subpart N.
  - (2) Once 40 hours without exceedence has been accomplished at the once every 4 hours schedule, the schedule may be relaxed to measurements once every 8 hours.
  - (3) Once 40 hours without exceedence has been accomplished at the once every 8 hours schedule, the schedule may be relaxed to measurements once every 40 hours.
  - (4) When an exceedence occurs, the schedule must be reset to the 4 hour schedule, and may progress again from there after 40 hours without an

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

exceedence.

Once a bath solution is drained from the affected tank and a new solution added, the original monitoring schedule of once every 4 hours must be resumed, with a decrease in monitoring frequency allowed following the procedures described in (ii) – (iv) as above.

**5. Recordkeeping Requirements:**

- a. A log shall be kept of all emission observations. Notation in the monthly log shall be made of, the following:
  - (1) Monthly observations of visible emissions during operation of associated equipment.
  - (2) Any Method 9 observations taken as a result of 4. Monitoring Requirements.
- b. Decorative Chrome Plating Tank:

The following records shall be maintained for a period of 5 years:

  - (1) Inspection and maintenance records for the affected source and all associated monitoring equipment; [40 CFR 63.346(b)(1) & (b)(2)]
  - (2) The occurrence, duration, and cause of each malfunction of the process, monitoring equipment, and actions taken; [40 CFR 63.346(b)(3)]
  - (3) Actions taken during periods of malfunction when such actions are inconsistent with the operation and maintenance plan; [40 CFR 63.346(b)(4)]
  - (4) Other records, which may take the form of checklists, necessary to demonstrate consistency with the provisions of operation and maintenance plan; [40 CFR 63.346(b)(5)]
  - (5) Test reports, which document the result of all performance tests; [40 CFR 63.346(b)(6)]
  - (6) All measurements necessary to determine the operating conditions of performance test and monitoring data as required above; [40 CFR 63.346(b)(7)]
  - (7) Monitoring data required by 40 CFR 63.343(c) that are used to demonstrate compliance with the standard including the date and time the data are collected; [40 CFR 63.346(b)(8)]
  - (8) The specific identification (i.e., the date and time of commencement and completion) of each period of excess emission, as indicated by monitoring data, that occurs during malfunction of the process, add-on air pollution control, or monitoring equipment; [40 CFR 63.346(b)(9)]
  - (9) The specific identification (i.e., the date and time of commencement and completion) of each period of excess emission, as indicated by monitoring data, that occurs during periods other than malfunction of the process, add-on air pollution control, or monitoring equipment; [40 CFR 63.346(b)(10)]

(a) The total process operating time of the affected source during the reporting period. [40 CFR 63.346(b)(11)]
- c. The Permittee shall develop an Operation and Maintenance plan in accordance with 40 CFR 63.342(f)(3)(v) regulation. A copy of this O&M plan must be kept on site and available for inspection, upon request, by the Division of Air Quality representative.

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

- d. The Permittee shall keep all previous (i.e. superceded) versions of the O&M plan on file and be made available for inspection, upon request, by the Division of Air Quality representative when the plan is revised. The Operation and Maintenance plan record shall be kept for a period of 5 years after date of each revision to the plan.
- f. The Permittee shall implement the procedures outlined in the Operation and Maintenance plan in the event of a malfunction. A report describing the malfunction and corrective action taken shall be submitted to the Regional Air Quality office in Bowling Green, Kentucky.

**6. Reporting Requirements:**

- a. See Section F.
- b. Pursuant to 40 CFR 63.347(h)(1), the permittee shall complete an ongoing compliance status report annually and retain it on site and make it available to KYDAQ upon request. Pursuant to 40 CFR 63.347(g)(3), the report shall contain the following information:
  - (1) Company name and address of the affected source;
  - (2) Identification of the operating parameter that is monitored for compliance tracking determination;
  - (3) The relevant emission limitation for the affected source, and the operating parameter value, or range of operating parameter values, that correspond to compliance with this emission limitation;
  - (4) The beginning and ending dates of the reporting period;
  - (5) A description of the type of process performed in the affected source;
  - (6) The total operating time of the affected source during the reporting period;
  - (7) A summary of operating parameter values, including the total duration of excess emissions during the reporting period as indicated by those values, the total duration of excess emissions expressed as a percent of the total source operating time during that reporting period, and a breakdown of the total duration of excess emissions during the reporting period into those that are due to process upsets, control equipment malfunctions, other known causes and unknown causes.
  - (8) A certification by a responsible official that the work practice standards in 40 CFR 63.342(f) were followed in accordance with the operation and maintenance plan for the source;
  - (9) If the operation and maintenance plan was not followed, an explanation of the reasons for not following the provisions, an assessment of whether any excess emission and/or parameter monitoring exceedances are believed to have occurred, and a copy of the report(s) required by 40 CFR 63.342(f)(3)(iv) documenting that the operation and maintenance plan was not followed;
  - (10) A description of any changes in monitoring, processes, or controls since the last reporting period;
  - (11) The name, title, and signature of the responsible official who is certifying the accuracy of the report; and
  - (12) The date of the report.

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

**7. Specific Control Equipment Operating Conditions:**

The packed bed scrubber shall be maintained and operated by manufacturer's recommendations.

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS****022 (EP # 22) Plant Boiler # 3****Description:**

There are three (3) boilers constructed on the site; but, plant boiler # 3 is the only boiler in use. It is mainly used to generate steam to heat liquids in the decorative chromium plating tanks. The steam is also used to heat Copper and Nickel electroplating tanks. Natural Gas is used as fuel for this boiler with no backup fuel. The maximum annual usage rate of natural gas is 29.4 million cubic feet. The boiler has a maximum capacity of 5 mmBTU per hour and was installed in June 2000.

**APPLICABLE REGULATIONS:**

401 KAR 59:015 – New indirect heat exchanger.

**1. Operating Limitations:**

Natural gas should be only fuel to be used for the boiler#3.

**2. Emission Limitations:**

- a. Pursuant to Regulation 401 KAR 59:015, Section 4(1), particulate matter emissions shall not exceed 0.56 lb per mmBTU.
- b. Pursuant to Regulation 401 KAR 59:015, Section 4(2)(b), visible emission shall not exceed twenty (40) percent opacity based on a six-minute average.
- c. Pursuant to Regulation 401 KAR 59:015, Section 5(1), sulfur dioxide emissions shall not exceed 3 lbs/mmBTU based on a twenty-four hour average.

Compliance Demonstration: The permittee is assumed to be in compliance, with particulate matter and sulfur dioxide limits, while burning natural gas.

**3. Testing Requirements: None****4. Specific Monitoring Requirements:**

The Permittee shall monitor the monthly usage rate of natural gas for plant boiler # 3 and hours of operation.

**5. Specific Recordkeeping Requirements:**

The Permittee shall keep records of the monthly usage rate of natural gas for plant boiler # 3 and hours of operation.

**6. Specific Reporting Requirements:**

See Section F

**7. Specific Control Equipment Operating Conditions: NA**



**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (Continued)****030 (EP #30) Sludge Dryer****Description:**

The sludge dryer has an indirect heat exchanger with a rated capacity of 0.4 mmBTU/hour. The heat exchanger uses Natural Gas as fuel with no backup fuel. The sludge dryer has process equipment ID number JW1 J-360 G.

The wet sludge, raw material, is classified as a hazardous waste (EPA code F006) due to the presence of Hexavalent Chromium, a toxic metal. The Sludge Dryer maximum throughput capacity of raw material, wet sludge, is 500 lb/hour. This unit was constructed in July 2000 and is equipped with a scrubber that is 98.5% efficient.

**APPLICABLE REGULATIONS:**

**401 KAR 59:010** – New process operations.

**1. Operating Limitations:**

None.

**2. Emission Limitations:**

- a. Pursuant to the 401 KAR 59:010, Section 3(2), maximum allowable Particulate Matter emission rate is 2.34 lbs/hr.
- b. Pursuant to 401 KAR 59:010, Section 3(1), no person shall cause, suffer, allow, or permit any continuous emission into the open air from a control device or stack associated with any affected facility, which is equal to or greater than twenty (20) percent opacity.

**Compliance Demonstration Method:**

For Particulate Matter (PM) emissions:

PM emissions (lbs/hr) = [Monthly average raw material processed (lb/hr) x 2% process loss x (1 – ctrl. Eff/100)] + [Actual heat input (mmscf/hr) x emission factor (E.F.) (lbs/mmscf)]

where, Emission factor from AP-42 Table 1.4-2

Ctrl. eff = Scrubber control efficiency = 98.5%

Monthly average raw material processed = Monthly raw material processed in pounds / Monthly hours of operation

The unit is assumed to be in compliance with opacity as long as the control device is operational.

**3. Testing Requirements:**

The Permittee shall conduct a performance test using the Reference Methods specified in 401 KAR 50:015 and in accordance to 401 KAR 59:005, Section 2(2) and 401 KAR 50:045, Section 1 upon the request of the Division of Air Quality.

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (Continued)**

**4. Specific Monitoring Requirements:**

The Permittee shall calculate Particulate Matter emissions on a monthly basis, based on the average raw material usage and monthly hours of operation using the equation described in the section Compliance Demonstration Method.

**5. Specific Record keeping Requirements:**

The Permittee shall keep records of monthly raw material usage, hours of operation, and the annual calculated amount of Particulate Matter emitted.

**6. Specific Reporting Requirements:**

See Section F.

**7. Specific Control Equipment Operating Conditions:**

The Permittee shall maintain the air pollution control equipment in good operating conditions and in according to the Manufacturer's specifications.

**SECTION C - INSIGNIFICANT ACTIVITIES**

The following listed activities have been determined to be insignificant activities for this source pursuant to 401 KAR 52:030, Section 6. While these activities are designated as insignificant the permittee must comply with the applicable regulation and some minimal level of periodic monitoring may be necessary.

| <u>Description</u>  | <u>Generally Applicable Regulation</u> |
|---|--|
| 1. 18 Machines for Injection Molding of Plastic Pellets (mainly ABS) with an Estimated Maximum Combined Raw Material Throughput of 1,620 lbs/hr | 401 KAR 59:010                         |
| 2. 18 Portable Parts Grinders for Plastic   | 401 KAR 59:010                         |
| 3. 2 Storage Silos for Plastic  | None                                   |
| 4. 2 Part Paint Mask Washers (each rated at 12 masks/hr)  | 401 KAR 59:010                         |
| 5. Air rotation heater (1.8 mmBTU/hr)   | 401 KAR 59:010                         |
| 6. Air make-up pre-plate (3.645 mmBTU/hr)   | 401 KAR 59:010                         |
| 7. Air make-up copper (3.402 mmBTU/hr)  | 401 KAR 59:010                         |
| 8. Air make-up nickel (3.402 mmBTU/hr)  | 401 KAR 59:010                         |
| 9. Air make-up strip line (0.891 mmBTU/hr)  | 401 KAR 59:010                         |
| 10. Air make-up chrome (0.972 mmBTU/hr)   | 401 KAR 59:010                         |
| 11. Paint bake oven (1 mmBTU/hr)  | 401 KAR 59:010                         |
| 12. 4 heat molding (1.582 mmBTU/hr each)  | 401 KAR 59:010                         |
| 13. 2 heat new office (0.240 mmBTU/hr each)   | 401 KAR 59:010                         |
| 14. 4 heat front office (0.125 mmBTU/hr each)   | 401 KAR 59:010                         |
| 15. Heat chem. Lab (0.125 mmBTU/hr)   | 401 KAR 59:010                         |
| 16. Mechanical room heat (0.16 mmBTU/hr)  | 401 KAR 59:010                         |
| 17. Waste treatment heat (0.16 mmBTU/hr)  | 401 KAR 59:010                         |
| 18. Shipping dock heat (0.15 mmBTU/hr)  | 401 KAR 59:010                         |

## SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS

1. As required by Section 1b of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10, compliance with annual emissions and processing limitations contained in this permit, shall be based on emissions and processing rates for any twelve (12) consecutive months.
2. Particulate Matter (PM), Volatile Organic Compound (VOC) and Hazardous Air Pollutants (HAP) emissions, as measured by methods referenced in 401 KAR 50:015, Section 1, shall not exceed the respective limitations specified herein.
3. Source wide Particulate Matter (PM) emissions shall not exceed 90 tons per year (12 consecutive months period) to avoid major source status.

### **Compliance Demonstration:**

The following formula or equivalent may be used in calculating emissions of particulate matter (PM/PM10):

PM/PM10 emitted monthly (tons/month) =  $\sum[(\text{Monthly processing rate} \times \text{Emission Factor as determined from AP-42}^*) \times (1 - \text{Control Efficiency}) / 2000 \text{ (lbs/ton)}]$

- \* If an Emission Factor other than that taken from AP-42 is used, documentation on how that Emission Factor was derived must be submitted to the Division's Central Office for approval.

4. Source wide Volatile Organic Compound (VOC) emissions shall not exceed 90 tons per year (12 consecutive months period) to avoid major source status.

### **Compliance Demonstration Method:**

$$\text{Actual VOC Emissions} = \sum_{i=1}^n M_i \rho_i$$

Where;

- $\rho_i$  = weight percent of VOC in coating less water and/or exempt solvent  
 $i$  = individual coating material (primer, thinner, cleaner, topcoat 1, topcoat 2, etc.)  
 $n$  = total number of coating materials used  
 $M$  = pounds of coating material "i" used

5. Source wide Hazardous Air Pollutants (HAPs) emissions shall not exceed 9.0 tons per year (12 consecutive month period) for a single HAP, or 22.5 tons per year (12 consecutive month period) of combined HAPs to avoid major source status.

## SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (continued)

### Compliance Demonstration Method:

$$\text{Single HAP Emission; } \text{HAP}_j = \sum_{i=1}^n M_i \rho_i$$

Where;

- $\rho$  = weight percent of HAP<sub>j</sub> in material “i.”
- $i$  = individual coating material (primer, thinner, cleaner, topcoat 1, topcoat 2, etc.)
- $j$  = individual HAP emission (i.e. toluene, xylene, etc.)
- $n$  = total number of coating materials used containing single HAP<sub>j</sub>
- $M$  = pounds of coating material “i “ used

6. A monthly record of all coatings, thinners, clean-up solution used should be kept. The records shall include the type, volume, and VOC content by weight.
7. A monthly record of all materials containing HAP(s) used for spray coating operation shall be kept. The recording shall include the product type, amount used and the weight percentages of all individual HAPs.
8. Every month a new 12-months rolling total for PM/PM10, VOC and HAP emissions shall be calculated.

## **SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS**

Pursuant to 401 KAR 50:055, Section 2(5), at all times, including periods of startup, shutdown and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Division which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

## SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS

1. Pursuant to Section 1b (IV)(1) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10, when continuing compliance is demonstrated by periodic testing or instrumental monitoring, the permittee shall compile records of required monitoring information that include:
  - a. Date, place (as defined in this permit), and time of sampling or measurements;
  - b. Analyses performance dates;
  - c. Company or entity that performed analyses;
  - d. Analytical techniques or methods used;
  - e. Analyses results; and
  - f. Operating conditions during time of sampling or measurement.
2. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality[401 KAR 52:030 Section 3(1)(f)1a and Section 1a (7) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
3. In accordance with the requirements of 401 KAR 52:030 Section 3(1)f the permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times:
  - a. Enter upon the premises to inspect any facility, equipment (including air pollution control equipment), practice, or operation;
  - b. To access and copy any records required by the permit;
  - c. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements.  
Reasonable times are defined as during all hours of operation, during normal office hours; or during an emergency.
4. No person shall obstruct, hamper, or interfere with any Cabinet employee or authorized representative while in the process of carrying out official duties. Refusal of entry or access may constitute grounds for permit revocation and assessment of civil penalties.
5. Summary reports of any monitoring required by this permit, other than continuous emission or opacity monitors, shall be submitted to the Regional Office listed on the front of this permit at least every six (6) months during the life of this permit, unless otherwise stated in this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation.

**SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS (CONTINUED)**

6. The semi-annual reports are due by January 30th and July 30th of each year. Data from the continuous emission and opacity monitors shall be reported to the Technical Services Branch in accordance with the requirements of 401 KAR 59:005, General Provisions, Section 3(3). All reports shall be certified by a responsible official pursuant to 401 KAR 52:030 Section 22. All deviations from permit requirements shall be clearly identified in the reports.
7. In accordance with the provisions of 401KAR 50:055, Section 1 the owner or operator shall notify the Regional Office listed on the front of this permit concerning startups, shutdowns, or malfunctions as follows:
  - a. When emissions during any planned shutdowns and ensuing startups will exceed the standards notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.
  - b. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards notification shall be made as promptly as possible by telephone (or other electronic media) and shall cause written notice upon request.
8. The owner or operator shall report emission related exceedances from permit requirements including those attributed to upset conditions (other than emission exceedances covered by Section F.7 above) to the Regional Office listed on the front of this permit within 30 days. Other deviations from permit requirements shall be included in the semiannual report required by Section F.5 [Section 1b V(3) and (4) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
9. Pursuant to 401KAR 52:030, Section 21, the permittee shall annually certify compliance with the terms and conditions contained in this permit by completing and returning a Compliance Certification Form (DEP 7007CC) (or an alternative approved by the regional office) to the Regional Office listed on the front of this permit in accordance with the following requirements:
  - a. Identification of each term or condition;
  - b. Compliance status of each term or condition of the permit;
  - c. Whether compliance was continuous or intermittent;
  - d. The method used for determining the compliance status for the source, currently and over the reporting period.
  - e. For an emissions unit that was still under construction or which has not commenced operation at the end of the 12-month period covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.



**SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS (CONTINUED)**

- f. The certification shall be postmarked by January 30th of each year. Annual compliance certifications should be mailed to the following addresses:

**Division for Air Quality  
Bowling Green Regional Office  
1508 Westen Avenue  
Bowling Green, KY 42104**

**Division for Air Quality  
Central Files  
803 Schenkel Lane  
Frankfort, KY 40601**

10. In accordance with 401KAR 52:030, Section 3(1)(d), the permittee shall provide the Division with all information necessary to determine its subject emissions within thirty (30) days of the date the KEIS emission survey is mailed to the permittee. If a KYEIS emission report is not mailed to the permittee, comply with all other emission reporting requirements in this permit.
11. Pursuant to Section VII (3) of the policy manual of the Division for Air Quality as referenced in 401 KAR 50:016, Section 1(1), results of performance test(s) required by the permit shall be submitted to the Division by the source or its representative within forty-five days after the completion of the fieldwork..
12. The Cabinet may authorize the temporary use of an emission unit to replace a similar unit that is taken off-line for maintenance, if the following conditions are met:
- a. The owner or operator shall submit to the Cabinet, at least ten (10) days in advance of replacing a unit, the appropriate Forms DEP7007AI to DD that show:
    - i. The size and location of both the original and replacement units; and
    - ii. Any resulting change in emissions;
  - b. The PTE of the replacement unit shall not exceed that of the original unit by more than twenty-five (25) percent of a major source threshold, and the emissions from the unit shall not cause the source to exceed the emissions allowable under the permit;
  - c. The PTE of the replacement unit or the resulting PTE of the source shall not subject the source to a new applicable requirement;
  - d. The replacement unit shall comply with all applicable requirements; and
  - e. The source shall notify Regional office of all shutdowns and start-ups.
  - f. Within six (6) months after installing the replacement unit, the owner or operator shall:
    - i. Re-install the original unit and remove or dismantle the replacement unit; or
    - ii. Submit an application to permit the replacement unit as a permanent change.

## SECTION G - GENERAL PROVISIONS

### General Compliance Requirements

1. The permittee shall comply with all conditions of this permit. A noncompliance shall be a violation of 401 KAR 52:030 Section 3(1)(b) and is also a violation of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act). Noncompliance with this permit is grounds for enforcement action including but not limited to the termination, revocation and reissuance, revision, or denial of a permit [Section 1a (2) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
2. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance, shall not stay any permit condition [Section 1a (5) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
3. This permit may be revised, revoked, reopened and reissued, or terminated for cause in accordance with 401 KAR 52:030 Section 18. The permit will be reopened for cause and revised accordingly under the following circumstances:
  - a. If additional applicable requirements become applicable to the source and the remaining permit term is three (3) years or longer. In this case, the reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. A reopening shall not be required if compliance with the applicable requirement is not required until after the date on which the permit is due to expire, unless this permit or any of its terms and conditions have been extended pursuant to 401 KAR 52:030 Section 12;
  - b. The Cabinet or the U. S. EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements;
  - c. The Cabinet or the U. S. EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.
4. Proceedings to reopen and reissue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Reopenings shall be made as expeditiously as practicable. Reopenings shall not be initiated before a notice of intent to reopen is provided to the source by the Division, at least thirty (30) days in advance of the date the permit is to be reopened, except that the Division may provide a shorter time period in the case of an emergency.
5. The Permittee shall furnish information upon request of the Cabinet to determine if cause exists for modifying, revoking and reissuing, or terminating the permit; or compliance with the conditions of this permit [Sections 1a (6) and (7) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].

**SECTION G - GENERAL PROVISIONS (CONTINUED)**

6. The Permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to the permitting authority [401 KAR 52:030 Section 7(1)].
7. Any condition or portion of this permit which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit [Section 1a (11) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
8. The Permittee shall not use as a defense in an enforcement action the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance [Section 1a (3) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
9. Except for requirements identified in this permit as state-origin requirements, all terms and conditions shall be enforceable by the United States Environmental Protection Agency and citizens of the United States [Section 1a (12)(b) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
10. This permit shall be subject to suspension if the permittee fails to pay all emissions fees within 90 days after the date of notice as specified in 401 KAR 50:038 Section 3(6) [Section 1a (9) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
11. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance [401 KAR 52:030 Section 11(3)].
12. This permit does not convey property rights or exclusive privileges [Section 1a (8) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
13. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by the Kentucky Cabinet for Natural Resources and Environmental Protection or any other federal, state, or local agency.
14. Nothing in this permit shall alter or affect the authority of U.S. EPA to obtain information pursuant to Federal Statute 42 USC 7414, Inspections, monitoring, and entry.
15. Nothing in this permit shall alter or affect the authority of U.S. EPA to impose emergency orders pursuant to Federal Statute 42 USC 7603, Emergency orders.

**SECTION G - GENERAL PROVISIONS (CONTINUED)**

16. This permit consolidates the authority of any previously issued PSD, NSR, or Synthetic minor source pre-construction permit terms and conditions for various emission units and incorporates all requirements of those existing permits into one single permit for this source.
17. Permit Shield – A permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement prior to or at the time of permit issuance. Compliance with the conditions of this permit shall be considered compliance with:
  - (a) Applicable requirements that are included and specifically identified in this permit; and
  - (b) Non-applicable requirements expressly identified in this permit.
18. Emission units described in this permit shall demonstrate compliance with applicable requirements if requested by the Division [401 KAR 52:030 Section 3(1)(c)].
19. The authority to operate granted through this permit shall cease to apply if the source fails to submit additional information requested by the Division after the completeness determination has been made on any application, by whatever deadline the Division sets [401 KAR 52:030 Section 8(2)].

**Permit Expiration and Reapplication Requirements**

This permit shall remain in effect for a fixed term of five (5) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the Division at least six months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the Division [401 KAR 52:030 Section 12].

**Permit Revisions**

1. Minor permit revision procedures specified in 401 KAR 52:030 Section 14 (3) may be used for permit revisions involving the use of economic incentive, marketable permit, emission trading, and other similar approaches, to the extent that these minor permit revision procedures are explicitly provided for in the SIP or in applicable requirements and meet the relevant requirements of 401 KAR 52:030 Section 14 (2).
2. This permit is not transferable by the permittee. Future owners and operators shall obtain a new permit from the Division for Air Quality. The new permit may be processed as an administrative amendment if no other change in this permit is necessary, and provided that a written agreement containing a specific date for transfer of permit responsibility coverage and liability between the current and new permittee has been submitted to the permitting authority within ten (10) days following the transfer.

**SECTION G - GENERAL PROVISIONS (CONTINUED)****Acid Rain Program Requirements**

If an applicable requirement of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act) is more stringent than an applicable requirement promulgated pursuant to Federal Statute 42 USC 7651 through 7651o (Title IV of the Act), both provisions shall apply, and both shall be state and federally enforceable.

**Emergency Provisions**

1. Pursuant to 401 KAR 52:030 Section 23(1), an emergency shall constitute an affirmative defense to an action brought for noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or other relevant evidence that:
  - a. An emergency occurred and the permittee can identify the cause of the emergency;
  - b. The permitted facility was at the time being properly operated;
  - c. During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and,
  - d. The permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division within two (2) working days of the time when emission limitations were exceeded due to an emergency. The notice shall include a description of the emergency, steps taken to mitigate emissions, and the corrective actions taken.
2. Notification of the Division does not relieve the source of any other local, state or federal notification requirements.
3. Emergency conditions listed in General Provision G(f)1 above are in addition to any emergency or upset provision(s) contained in an applicable requirement [401 KAR 52:030 Section 23(3)].
4. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof [401 KAR 52:030 Section 23(2)].

**Risk Management Provisions**

1. The permittee shall comply with all applicable requirements of 401 KAR Chapter 68, Chemical Accident Prevention, which incorporates by reference 40 CFR Part 68, Risk Management Plan provisions. If required, the permittee shall comply with the Risk Management Program and submit a Risk Management Plan to:

RMP Reporting Center  
P.O. Box 3346  
Merrifield, VA, 22116-3346
2. If requested, submit additional relevant information to the Division or the U.S. EPA.

**SECTION G - GENERAL PROVISIONS (CONTINUED)****Ozone depleting substances**

1. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
  - a. Persons opening appliances for maintenance, service, repair, or disposal shall comply with the required practices contained in 40 CFR 82.156.
  - b. Equipment used during the maintenance, service, repair, or disposal of appliances shall comply with the standards for recycling and recovery equipment contained in 40 CFR 82.158.
  - c. Persons performing maintenance, service, repair, or disposal of appliances shall be certified by an approved technician certification program pursuant to 40 CFR 82.161.
  - d. Persons disposing of small appliances, MVACs, and MVAC-like appliances (as defined at 40 CFR 82.152) shall comply with the recordkeeping requirements pursuant to 40 CFR 82.166.
  - e. Persons owning commercial or industrial process refrigeration equipment shall comply with the leak repair requirements pursuant to 40 CFR 82.156.
  - f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant shall keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.
2. If the permittee performs service on motor (fleet) vehicle air conditioners containing ozone-depleting substances, the source shall comply with all applicable requirements as specified in 40 CFR 82, Subpart B, *Servicing of Motor Vehicle Air Conditioners*.

**SECTION H - ALTERNATE OPERATING SCENARIOS**

NA

**SECTION I - COMPLIANCE SCHEDULE**

NA